

**COLORADO RIVER RECOVERY PROGRAM  
FY-2004–2005 PROPOSED SCOPE OF WORK for:  
GRAND VALLEY WATER MANAGEMENT**

Project No.: CAP-11

Lead Agency: Bureau of Reclamation

Submitted by: Bob Norman

Bureau of Reclamation

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Date: June 19, 2003

Category:

Expected Funding Source:

☒ Ongoing project

☐ Ongoing-revised project

☐ Requested new project

☐ Unsolicited proposal

☐ Annual funds

☒ Capital funds

☐ Other (explain)

I. Title of Proposal: GRAND VALLEY WATER MANAGEMENT

II. Relationship to RIPRAP: Colorado River Action Plan: Mainstem I.A.5.1.(3)

III. Study Background/Rationale and Hypotheses: The purpose of the project is to construct facilities to improve the efficiency of the Grand Valley Project irrigation system. Through existing contracts and other institutional arrangements, the conserved water resulting from improved irrigation system efficiency will be made available to improve habitat conditions in the 15-Mile Reach of the Colorado River.

IV. Study Goals, Objectives, End Product: The goal of the project is to improve the irrigation system efficiency of the Grand Valley Project with the objective of conserving water and improving habitat conditions in the 15-Mile Reach of the Colorado River. End products will consist of construction of: 1) seven new automated canal check structures, 2) automation of existing canal check and gate structures, 3) Palisade bypass pipeline and control system, and 4) Highline Lake Pumping Plant. Construction and operation of these facilities will result in approximately 30,000 acre-feet-per-year of conserved water which can be made available to improve habitat conditions in the 15-Mile Reach of the Colorado River. See Grand Valley Water Management Final Environmental Assessment, September 1998, for more thorough description of project facilities and benefits.

V. Study area: The project area consists of the Grand Valley Project irrigation system. Water protection and administration agreements associated with operation of the irrigation system improvements include the geographic area extending from Green Mountain Reservoir downstream to the 15-Mile Reach.

VI. Study Methods/Approach: Not Applicable

VII. Task Description and Schedule:

- 1) Coordination with Grand Valley Water Users Association - Ongoing
- 2) NEPA compliance - Completed September 1998
- 3) Develop and implement water protection measures - Completed September 2001
- 4) Design and construct Palisade Bypass Pipeline - Completed March 2000
- 5) Design and construct Grand Valley Highline Canal Check Structures - Completed March 2001
- 6) Design and construct Highline Lake Pumping Plant - Ongoing, projected completion date FY 2004
- 7) Design and install automated control systems - Ongoing, projected completion FY 2005
- 8) Evaluate and operate canal automation systems - Ongoing as facilities are completed, projected completion date FY 2004
- 9) Long term operation and maintenance of canal automation systems - Ongoing as facilities are completed and transferred from construction to operational status

VIII. FY-2004 Work

–	Deliverables/Due Dates	
–	Budget	
-	Labor	\$212,800
-	Travel	\$1,080
-	Equipment	\$134,120
-	Other	\$750,000
-	Total	\$1,098,000

FY 2004 Costs

TASK 6	USBR Total
Labor	
UCRO Purchasing Group (1 wks @ \$2,300/wk)	\$2,300
UCRO Contracts Group (2 wks @ \$2,300/wk)	\$4,600
WCAO Purchasing Group (2 wks @ \$2,300/wk)	\$4,600
WCAO Surveying Group (3 wks @ \$2,400/wk)	\$7,200
WCAO Design Group (26 wks @ \$2,500/wk)	\$65,000
WCAO Inspection Group (13 wks @ \$1,900/wk)	\$24,700
WCAO Materials Testing Group (5 wks @ \$1,900/wk)	\$9,500

WCAO Contract Admin Group ( 13 wks @ \$2,300/wk)	\$29,900
Task Subtotal	\$147,800
Travel	\$0
Equipment (IT Equipment Assessment)	\$3,000
Other (Construction Contract)	\$750,000
Task Total	\$900,800
TASK 7	USBR Total
Labor	
WCAO Technical Service Division (26 wks @ \$2,500/wk)	\$65,000
Travel	
Per Diem (4 days @ \$120 per day)	\$480
Air Transportation (2 trips @ \$300 per trip)	\$600
Equipment	
IT Equipment Assessment	\$1,300
SCADA System Components	\$129,820
Task Total	\$197,200
FY-2005 Work (for multi-year study)	
– Deliverables/Due Dates	
– Budget	
- Labor	\$0
- Travel	\$0
- Equipment	\$0
- Other	\$0
- Total	\$0
FY-2006 etc. (for multi-year study)	\$0

IX. Budget Summary

FY-2004	\$1,098,000
FY-2005	\$0
FY-2006	\$0

Total:	\$1,098,000
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X. Reviewers     Brent Uilenberg  
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XI. References: N/A